### **Issue History**

File Name	Prepared by	Reviewed by	Issued by	Date	Issued to
P2624.001T West Ryde Town Centre Street Parking Facility and Consultation Review	T. Bleasdale S. Hasan	T. Wheatley	T. Wheatley	18/08/2016	P Yang, City of Ryde
P2624.002T West Ryde Town Centre Street Parking Facility and Consultation Review	S. Hasan	SP. Power	SP. Power	10/10/2016	Paul Yang, City of Ryde. PYang@ryde.nsw.gov.au
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# West Ryde Town Centre Street Parking Facility and Consultation Review

## 1. INTRODUCTION

## 1.1 BACKGROUND

West Ryde Town Centre is located on the northern side of Victoria Road, West Ryde, in the City of Ryde local government area. The town centre is bounded by West Parade to the east, Anthony Road to the northeast, Betts Street to the northwest, and Chatham Road to the west. Within the West Ryde Town Centre, there is the existing West Ryde Marketplace, which includes a Woolworths supermarket, West Ryde Library, and other local shops. There is also the recently completed West Ryde Urban Village Development, which includes a Coles supermarket and associated parking, and a multi-level residential unit complex with resident and visitor parking.

Figure 1.1 shows the locality of West Ryde Town Centre.



Figure 1.1 West Ryde Town Centre



## 2. EXISTING PARKING FACILITIES

## 2.1 OFF-STREET PARKING FACILITIES

Off-street parking is available at both the West Ryde Marketplace shopping centre and newly constructed Coles supermarket located off Chatham Rd. The Coles supermarket is accessible via Market Street and has 307 parking spaces over 2 basement levels. Parking is free for the first 2 hours and charged hourly afterwards. West Ryde Marketplace shopping centre is also accessible via Market Street and has 194 bays in one floor, where parking is free for the first 2 hours and charged hourly afterwards.

## 2.2 ON-STREET PARKING FACILITIES

Most of the on-street parking spaces adjacent to West Ryde Town Centre are restricted to 1/2P or less, as detailed in Table 3.1. An overview of the available parking spaces in the vicinity of West Ryde Town Centre and their restrictions are presented in Figure 2.1.



Figure 2.1 Existing Parking Facilities and Restrictions at West Ryde Town Centre

The parking restrictions in these locations are applicable during specific times on weekdays. Although, some of these restrictions continue to be effective during weekends as well. Part of the eastern side of Chatham Road has a "No Stopping" restriction during the weekday peak hours of 6-10 am and 3-7 pm, and 1/2P at other times. The 2P parking restriction on Dickson Avenue was installed as a temporary traffic management measure during the construction of the Coles development. It will be removed and parking will revert to unrestricted parking.

There is also ample unrestricted on-street parking available within walkable distance from West Ryde Town Centre. The nearest unrestricted on-street parking locations are:

- Western side of Dickson Avenue, approximately 220 metres west of Chatham Road / Market Street / Dickson Avenue roundabout; and
- Anthony Road, approximately 100 m north of Betts Street / Antony Road intersection.



## 3. PARKING OCCUPANCY SURVEY

## 3.1 OVERVIEW OF THE SURVEY

A parking occupancy survey was undertaken by Traffic Data and Control (TDC) on Thursday 21 July 2016 and Saturday 23 July 2016, between 7:00am and 7:00pm. The survey was undertaken in 15-minute intervals to determine the occupancy of each parking space.

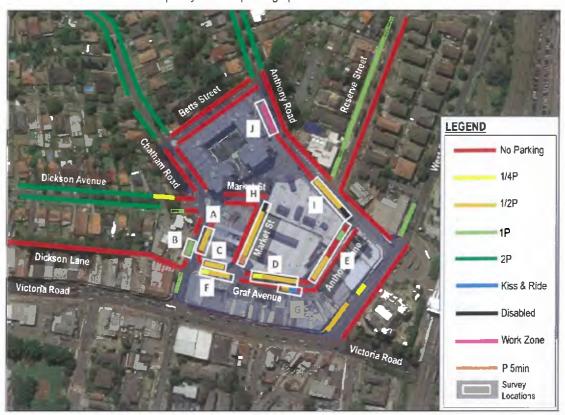


Figure 3.1 On-Street Parking Occupancy Survey Locations

Figure 3.1 shows ten areas of existing on-street parking facilities within the vicinity of West Ryde Town Centre, marked as letters A to H, which were referred to as part of the Parking Occupancy Survey. There are 61 on-street parking spaces, which cater for various businesses and restaurants in these locations. A summary of the parking facilities and restrictions for the West Ryde Town Centre is shown in Table 3.1.



Table 3.1 Summary of On-Street Parking Facilities

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Road section	Parking Space (ref: Figure 3.1)	No. of Parking Bays	Parking Restriction	Type of shops along the road
Chatham Road Eastern side (between Market Street and Graf Avenue)	А	3	P 10 3 3 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	(From South to North): Mitre10, Restaurant, Music store, Fast food, Dentist, Hair-dresser, Car workshop (under renovation)
Chatham Road Western side (between Dickson Lane and Dickson Avenue)	В	2	STOPPING B. 6.	Car wash/ workshop, Sushi Restaurant
Graf Avenue Northern side (between Chatham Road and Market Street)	С	4	STOPPING 86	Mitre10
Graf Avenue Northern side (between Market Street and Anthony Lane)	D	8	4P   2P   2P   MON-LIN	West Ryde Library
Anthony Lane Western side	Е	6	8.6. w.v 5.0.v	Pedestrian entrance to Shopping Mall
Graf Avenue Southern side (between Chatham Road and Market Street)	F	6	2. P 4P 86∞ 86~	Beauty Clinic/ Day Spa, Dance Studio, Podiatry Clinic, Music workshop, Gym, Kitchenware, Fitness/Gym
Graf Avenue Southern side (between Market Street and Anthony Lane)	G	1	ESABLE NO STOPPING	Chemist, Café, Shoe repair, Health/beauty, Café, Toy store, Massage, Music school, Physiotherapy, Restaurant, barber, Massage, Hair-dresser, Church/Girls School, Eye Care, Café, Chemist, Café, Tax agent



Road section	Parking Space (ref: Figure 3.1)	No. of Parking Bays	Parking Restriction	Type of shops along the road
Market Street Eastern side	Н	12	P 6 8 6 22	No Shop. Separate access points for vehicles and pedestrians into the Woolworths' covered car park
Anthony Road Western side, opposite to Reserve Street	1	13	PEP	Woolworths, BWS, Medical Centre, Café, Chemist
Anthony Road Western side, near Betts Street	J	6	WORK ZONE 7av-6av MON-FRI 8av-6av SAT	None

# 3.2 SURVEY FINDINGS

A summary of the parking occupancy is shown in Figure 3.2 to Figure 3.9. The detailed parking occupancy survey results are provided in Attachment A.

Areas	No. Spaces	7:00 AM	7:15 AM	7:30 AM	7:45 AM	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM	9:45 A M
А	3	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	D%
В	2	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
C	_ 4	75%	100%	75%	75%	100%	100%	75%	100%	75%	100%	75%	75%
F	6	33%	33%	67%	67%	83%	67%	67%	100%	100%	100%	67%	67%
D	8	13%	13%	38%	50%	63%	63%	75%	88%	50%	88%	75%	88%
G	1	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%
E	6	33%	33%	67%	33%	67%	50%	67%	50%	67%	83%	83%	83%
1.	13	46%	54%	69%	77%	62%	77%	77%	77%	92%	92%	85%	100%
J	6	17%	17%	17%	33%	17%	33%	33%	17%	17%	17%	33%	33%
Н	12	8%	8%	33%	33%	50%	58%	83%	67%	67%	92%	83%	100%
Occupancy Rate		30%	33%	49%	51%	57%	62%	69%	69%	67%	80%	72%	80%

Figure 3.2 Thursday 21 July 7:00am – 11:00am Parking Occupancy

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	No.												1
		40.00.414	40 45 444	40.70.444	10.45.444	44.00 444	10.15 444	11 20 414	11 45 484	13.00.014	12.15 PM	42.20.044	43.45.51.4
Areas	Spaces	10:00 AM	10:15 AIVI	10:30 AIVI	10:45 AIVI	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PIVI
A	3	100%	100%	100%	100%	67%	100%	100%	67%	57%	100%	100%	100%
В	2	100%	100%	100%	100%	100%	100%	100%	100%	0%	50%	50%	50%
C	4	75%	100%	100%	25%	100%	100%	75%	100%	100%	100%	75%	50%
F	6	100%	83%	83%	67%	100%	100%	67%	100%	83%	83%	83%	83%
D	8	100%	75%	75%	100%	100%	63%	100%	63%	100%	88%	88%	88%
G	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
E	6	83%	83%	67%	67%	83%	83%	33%	83%	83%	67%	83%	83%
-1	13	92%	100%	100%	100%	92%	100%	92%	100%	100%	100%	100%	92%
1	6	50%	17%	50%	17%	17%	17%	17%	0%	33%	33%	33%	33%
Н	12	100%	100%	92%	100%	83%	83%	75%	67%	83%	92%	92%	100%
Occupancy													
Rate		90%	85%	85%	80%	84%	82%	74%	75%	82%	84%	84%	82%

Figure 3.3 Thursday 21 July 11:00am – 1:00pm Parking Occupancy

Areas	No. Spaces	1:00 PM	1:15 PM	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM	3:15 PM	3:30 PM	3:45 PM
А	3	100%	100%	100%	67%	100%	100%	57%	67%	67%	100%	100%	67%
В	2	0%	100%	100%	100%	50%	100%	50%	50%	100%	100%	100%	100%
С	4	75%	75%	100%	100%	100%	100%	50%	100%	75%	100%	100%	100%
F	6	83%	67%	100%	83%	83%	100%	83%	100%	83%	100%	67%	100%
D	00	75%	75%	53%	50%	63%	88%	88%	100%	100%	75%	88%	100%
G	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Ε	6	67%	100%	83%	50%	67%	83%	83%	83%	83%	17%	83%	83%
I	13	85%	92%	92%	100%	100%	92%	100%	85%	92%	92%	92%	100%
J '	6	50%	50%	50%	0%	0%	33%	17%	33%	17%	17%	33%	67%
Н	12	100%	83%	83%	75%	83%	92%	83%	75%	100%	100%	83%	83%
Occupancy Rate		79%	82%	84%	70%	75%	87%	77%	80%	84%	79%	82%	90%

Figure 3.4 Thursday 21 July 1:00pm – 4:00pm Parking Occupancy

Areas	No. Spaces	4:00 PM	4:15 PM	4:30 PM	4:45 PM	5:00 PM	5:15 PM	5:30 PM	5:45 PM	6:00 PM	6:15 PM	6:30 PM	6:45 PM	Occupancy
А	3	100%	67%	67%	100%	67%	67%	100%	100%	100%	100%	100%	100%	67%
В	2	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	100%	88%
С	4	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	89%
F	6	83%	83%	100%	100%	100%	67%	100%	83%	100%	100%	100%	100%	84%
D	8	100%	100%	100%	75%	100%	75%	88%	88%	100%	100%	100%	100%	80%
G	1	100%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%	100%	83%
Ę	6	67%	50%	83%	83%	67%	83%	83%	67%	83%	83%	67%	50%	70%
1	13	100%	92%	92%	92%	92%	92%	92%	92%	100%	100%	92%	62%	90%
J	6	50%	50%	83%	17%	50%	17%	67%	67%	67%	83%	83%	83%	35%
Н	12	100%	75%	100%	92%	100%	100%	67%	100%	100%	100%	100%	100%	82%
Occupancy Rate		90%	80%	92%	82%	89%	79%	84%	89%	95%	95%	93%	85%	78%

Figure 3.5 Thursday 21 July 4:00pm – 7:00pm Parking Occupancy

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Areas	No. Spaces	7:00 AM	7:15 AM	7:30 AM	7:45 AM	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM	9:45 AM
А	3	33°°	33%	33%	33%	67%	67%	33%	100%	0%	67%	100%	100%
В	2	50%	50%	50%	0%	50%	50%	50%	50%	50%	100%	100%	100%
С	4	50°e	100%	75%	100%	100%	75%	75%	50%	75%	50%	100%	100%
F	6	17%	33%	50%	83%	67%	33%	33%	83%	83%	67%	100%	83%
D	8	75%	38%	50%	63%	50%	88%	75%	88%	50%	25%	75%	75%
G	1	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	100%	100%
E	6	100%	83%	67%	50%	50%	83%	83%	83%	83%	67%	67%	83%
1	13	23%	62%	38%	31%	46%	62%	62%	77%	54%	77%	77%	85%
J	6	17%	17%	33%	33%	33%	17%	33%	17%	33%	17%	17%	17%
Н	12	58%	42%	67%	58%	75%	83%	58%	92%	58%	75%	83%	100%
Occupancy Rate		48%	51%	52%	52%	57%	66%	57%	75%	56%	61%	77%	82%

Figure 3.6 Saturday 23 July 7:00am – 10:00am Parking Occupancy

Areas	No. Spaces	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PM
A	3	67%	100%	67%	100%	33%	100%	100%	100%	100%	67%	100%	100%
В	2	100%	100%	100%	50°e	50%	100%	100%	100%	50%	100%	100%	100%
С	4	100%	100%	100%	100%	100%	100%	100%	75%	100%	75%	100%	100%
F	6	100%	100%	83%	100%	100%	83%	83%	83%	50%	50%	100%	100%
D	8	88%	100%	88%	88%	100%	100%	100%	88%	75%	100%	100%	100%
G	1	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%
Е	6	83%	83%	83%	83%	83%	83%	83%	67%	83%	67%	100%	83%
I	13	85%	92%	92%	92%	92%	85%	85%	92%	85%	85%	77%	85%
J	6	17%	17%	17%	17%	33%	33%	17%	17%	33%	17%	50%	67%
Н	12	100%	83%	83%	83%	100%	83%	100%	92%	100%	100%	100%	92%
Occupancy Rate		84%	85%	80%	82%	84%	84%	85%	80%	79%	77%	90%	90%

Figure 3.7 Saturday 23 July 10:00am – 1:00pm Parking Occupancy

	I	)	ı		ı	ı	ı	ı	ı	ı	ı	ı	
Areas	No. Spaces	1:00 PM	1:15 PM	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM	3:15 PM	3:30 PM	3:45 PM
A	3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
В	2	100%	100%	100%	100%	100%	50%	100%	100%	100%	100%	100%	50%
С	4	75%	100%	75%	100%	100%	100%	100%	100%	75%	100%	100%	100%
F	6	100%	83%	100%	100%	100%	83%i	100%	67%	83%	100%	83%	100%
D	8	100%	100%	100%	100%	100%	100%	100%	63%	88%	100%	100%	88%
G	1	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
E	6	83%	67%	83%	83%	83%	83%	83%	67%	83%	83%	83%	67%
1	13	92%	92%	85%	85%	92%	92%	92%	85%	92%	100%	85%	92%
J	6	67%	67%	67%	67%	50%	67%	50%	50%	50%	33%	33%	50%
Н	12	100%	100%	100%	100%	100%	100%	100%	100%	83%	83%	92%	100%
Occupancy Rate		92%	90%	90%	92%	92%	90%	92%	79%	84%	89%	85%	87%

Figure 3.8 Saturday 23 July 1:00pm – 4:00pm Parking Occupancy



	No.													
Areas	Spaces	4:00 PM	4:15 PM	4:30 PM	4:45 PM	5:00 PM	5:15 PM	5:30 PM	5:45 PM	6:00 PM	6:15 PM	6:30 PM	6:45 PM	Occupancy
A	3	100%	100%	100%	67%	100%	67%	100%	100%	100%	100%	100%	100%	84%
В	2	100%	50%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	82%
С	4	100%	100%	100%	100%	50%	50%	100%	100%	100%	100%	100%	100%	90%
F	6	100%	100%	100%	83%	67%	83%	100%	100%	100%	100%	100%	100%	83%
D	8	100%	100%	88%	100%	88%	88%	88%	100%	100%	100%	100%	100%	87%
G	1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	90%
£	6	83%	83%	83%	83%	67%	33%	67%	83%	83%	100%	83%	67%	78%
Ī	13	92%	77%	77%	92%	77%	92%	92%	85%	85%	92%	77%	85%	80%
J	6	50%	50%	67%	50%	67%	67%	67%	67%	67%	83%	83%	83%	43%
Н	12	100%	100%	83%	83%	92%	83%	92%	92%	100%	100%	92%	100%	88%
Occupancy Rate		92%	87%	84%	85%	79%	77%	89%	90%	92%	97%	90%	92%	80%

Figure 3.9 Saturday 23 July 4:00pm – 7:00pm Parking Occupancy

The results show that there is a high occupancy rate for on-street parking in the West Ryde Town Centre vicinity with an overall average occupancy of 78% and 80% for Thursday 21 and Saturday 23 July, respectively. On-street parking along Chatham Road, Graf Avenue and Market Street are regularly at 100% occupancy. Anthony Road and Anthony Lane do not show tendencies to reach 100% occupancy; this is likely due to their proximity to larger shopping centres, Coles and West Ryde Marketplace, where off-street parking is available.

The data for Thursday 21 July shows consistent occupancy throughout the day, increasing slightly after 6:00pm, coinciding with late night shopping on a Thursday. Saturday 23 July had consistently high occupancy, with occupancy rates greater than 80%, from 10:00am, and particularly high occupancy during the middle of the day between 12:30pm and 2:30pm as well as after 6:00pm.

Illegal parking was observed in the "No Stopping" zone on the eastern side of Chatham Road during the morning and afternoon peak periods. This side of the road is "No Stopping" between 6-10 am and 3-7 pm from Monday to Friday. The occupancy survey also shows that these parking spaces were occupied during the peak times. This suggests the high on-street parking demand, as well as drivers' willingness to take risks for short-term parking.

## 4. LOCAL BUSINESS CONSULTATION

A questionnaire was completed by local business owners along Chatham Road, Graf Avenue and Anthony Road, concerning the parking facilities surrounding their businesses. Each business was asked five questions and the responses are summarised in Table 4.1Error! Reference source not found.

Full results of the West Ryde Town Centre Parking Study Questionnaire are provided in Attachment B.

Table 4.1 Summary of responses from local business owners

Table 4.1	summary or resp	oonses from local	pusiness owne	rs	
1. Do your Custon	ers Walk/Drive?				
Anthor	ıy Rd	Graf /	Ave	Chatha	m Rd
	Survey Count		Survey Count		Survey Count
Drive	1	Drive	6	Drive	4
Walk	1	Walk	4	Walk	
50-50		50-50	1	50-50	
		in proximity to your			
Anthon		Graf /		Chatha	
	Survey Count		Survey Count		Survey Count
Yes	1	Yes	11	Yes	
No_	1	No	10	No	4
		for your customers		Λ	
Anthony		Graf Ave		Chatham F	
	Survey Count		Survey Count		Survey Count
Yes	1	Yes	4	Yes	1
No	1	No	7	No	3
4. What would you					
Anthon		Graf A		Chatha	
	Survey Count		Survey Count	41.5	Survey Count
1/4P		1/4P	2	1/4P	
1/2P		1/2P	1	1/2P	2
1P	1	1P	5	1P	2
≥2P	1	≥2P	2	≥2P	
5. How long do cus	stomers spend in	your premises?		0.4	-
Anthon		Graf A		Chatha	
-45.1	Survey Count	.4F'	Survey Count	-4F .1.	Survey Count
<15min		<15min	2	<15min	1
15-30min	4	15-30min	2	15-30min	1
30min- 1 hour	1	30min- 1 hour	5	30min- 1 hour	1
1-2 hour	<del></del> i	1-2 hour	1	1-2 hour	
2 hours+	1	2 hours+		2 hours+	1

The questionnaire results show a majority of the business owners believe there is not sufficient parking available and the current parking restrictions are insufficient for their customers' needs. The businesses want parking restrictions which better cater to the needs of their customers and their typical time spent on their premises.

The majority of parking around these businesses is limited to half hour parking or less, while many of the businesses want 1-hour parking restrictions to be implemented for their customers.

The medical service providers on Anthony Road and Graf Avenue requested additional disabled parking spaces and extended hours for other parking.

Other concerns raised by business owners included requests for employee parking facilities or permits for the off-street parking in the Coles and Woolworths car parks.

### CONCLUSION

Bitzios Consulting has undertaken an on-street parking study in the vicinity of West Ryde Town Centre, including parking occupancy surveys and consultation with local business owners.

Key findings of the study are as follows:

- 61 on-street parking spaces are available on Chatham Road, Graf Avenue, Market Street, Anthony Road and Anthony Lane. Time restrictions vary from 5 minutes to 1 hour for these spaces.
- Parking occupancy surveys show:
  - Overall average occupancy of 78% and 80%, for Thursday and Saturday, respectively in the West Ryde Town Centre vicinity.
  - 100% occupancy of the parking spaces along Chatham Road, Graf Avenue and Market Street.
  - Comparatively lower occupancy on Anthony Road and Anthony Lane; this is likely due to their proximity to larger shopping centres, Coles and West Ryde Marketplace, where off-street parking is available.
- Local businesses were concerned with a number of issues as follows:
  - Most of the business owners believe there are insufficient parking spaces and the current restrictions are insufficient for their customers' needs.
  - The medical service providers on Anthony Road and Graf Avenue requested additional disabled parking spaces and extended hours for other parking.
  - Several business owners asked whether Council would approve off-street unrestricted parking permits for owner/employee/staff at the Coles and Woolworths car parks.

## 6. RECOMMENDATIONS

The 2P parking restriction on Dickson Avenue was installed as a temporary traffic management measure during the construction of the Coles development. It should be removed and parking should be reverted to unrestricted parking as this was the pre-development scenario. Some of the ¼P and ½P parking located within the town centre was also installed as a temporary traffic management measure during the development construction phase. This should be reverted to 1P as there is now more parking available. The Council owned 2-hour free parking on level B2 in the Coles off street car park can accommodate up to 170 vehicles. The Coles development is comprised of 304 spaces in total.

Illegal parking was observed in the "No Stopping" zone on the eastern side of Chatham Road during the morning and afternoon peak periods. This side of the road is "No Stopping" between 6-10 am and 3-7 pm from Monday to Friday. The restriction is in place in order to improve throughput at the Chatham Road / Victoria Road intersection. The occupancy survey showed that these parking spaces were occupied during the peak times. This non-compliance issue can be resolved with better parking enforcement.



ATTACHMENT A

**PARKING OCCUPANCY SURVEY** 

erial Vr.	Road section Chatham Road Western side	Parking Space (Map reference)	Number of Parking Bays 3	Parking Restriction	Type of shops along the road Publique	Remarks
	(betweeen Victoria Rd and Dickson Ln)		3	7 0 0 0 7 - 2 0 0	Publiculige	
	Dickson Lane		0	HO P	None	Parking not available for public
	Chatham Road Western side (between Dickson Lane and Dickson Av)	В	2	NO IP	Car wash/ workshop, Sushi Restaurant	
	Dickson Av, both Southern and Northern sides		Marked bays along the road, on both sides	HO ZPV	Residential only, no shop	Parking restricted up to 220 m from the Chatham rd/Market st roundabout, and become unrestricted after that point
	Chatham Road Eastern side (betweeen Market St and Graf Av)	A	3	P. A. S.	(From South to North): Mitre 10, Restaurant, Music store, Fast food, Dentist, Hair- dresser, Car workshop (under renovation)	
	Graf Avenue Northern side (between Chatham Rd and Market St)	С	4	I P	Mitre10	
	Graf Avenue Northern side (between Market St and Anthony Ln)	D	8	8-6- 8-6-	West Ryde Library	
	Anthony Lane Western side	E	6	12 P	Pedestrian entrance to Shopping Mail	
	Graf Ävenue Southern side (between Chatham Rd and Market St)	F	6	4P4P	Beauty Clinic/ Day Spa, Dance Studio, Podiatry Clinic, Music workshop, Gym, Kitchenware, Fitness/Gym	
	Graf Avenue Southern side (between Market St and Anthony Ln)	G	1	RO GIFTEL	Chemist, Caré, Shoe repair, Health/beauty, Caré, Toy store, Massage, Music school, Physiotherapy, Restaurant, barber, Massage, Hair-dresser, Church/Girls School, Eye Care, Café, Chemist, Café, Tax agent	
	Market Street Eastern side	Н	12	PP	Separate access for vehicles and pedestrians into the Woolworths covered car park	
	Anthony Road Western side, opposite to Reserve St	J	13	PP	Woolwarths, BWS	
	Anthony Road Western side, near Betts St	J	6	WORK ZONE 76. 86.	None	Our assumption is the work zone is temporary and the parking bays will be available at peak hours to public in future
	Chatham Road, between Market St and Betts St, both sides		0	STOPPING	None	No parking and No stopping in this road section, as is located between two roundabouts in close proxim

Serial Nr.	Road section	Parking Space (Map reference)	Number of Parking Bays	Parking Restriction	Type of shops along the road	Remarks
	Chatham Road, north of Betts St, both sides		Marked bays along the road, on both sides	9 6	Residential area starts, no shop on this road section	Parking restricted for 2P up to approximately 100m from the Chatham rd/Bets St roundabout, and become unrestricted after that point
	Betts St, both sides		0	SIOPPING	None	No stopping
	Anthony Rd, north of Betts St		Marked bays along the road, on both sides	2P	Residential area starts, no shop on this road section	Parking restricted for 2P up to approximately 140m from the Anthony Rd/Betts St intersection, and become unrestricted after that point
	Reserve St		Marked bays along the road, on both sides	810 6. 810-1239	Residential area starts, no shop on this road section	Parking restricted throughout this road, 1/4P and 1P

west Ryde Thursday 21st July 2016 Quarterly from 7:00am - 7:00pm 61

West Ryde Car Parking Occupancy Survey	West Ry	de Car	Parking	Occupancy	Survey
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Areas	Space No.	7:00 AM	7-15 AM	7:30 AM	7:45 AM	8:00 AM	8-15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9.30 AM	5.45 AM	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	17:15 PM	12:30 PM	12:45 PM	3:00 PM	1:15 PM
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	2													1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3													1	1	1	1		1	1			1	1	1	1	1
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	12	1	1	1	1	1			1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
	23	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1		1	1	1			1	-
	14					1	1	1.	1	1	1			1	3	1		1	1		1	1		1	1		1
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	23			1	1	1	1	1	1		1	1.	1	1	3	1	1	1	1	1		1	1	1	1	1	1
G	24						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
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	35			<u> </u>	1	3	- :	<b>:</b>		,	-	<u> </u>	-	,	<del>                                     </del>	47	1	1	1		1	-	1		1	1	4
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	37	_	1		1	2		1	1	1	1	1	2	1	1	1	1	1	1	1	- 1	1	2	1	1	1	1
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	40	1	1	1	1	1	1	1 1		1	3	1	1 .	1	1	1	1	1	1	1	1	1	1	1	1	1	1 1

ocation Survey Date Survey Period Total Car Spaces

Areas	Space No.	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3 00 FM	3:15 PM	3.30 PM	3 ANPM	4:00 PM	4115 F.M	430 FM	4.45 PM	5 (b) FM	\$1819M	5-80 FM	5 45 FA1	6:00 FM	6 15 FA1	LIBU PM	6.45 FM	Total	%Occupied
A	1	L		1	1	1		1	1	1	1	1	1	1	1	3		1	1	1	T	1	T	34	0.71
	2	1	1	1	1		1		A.	1		1		1	1		1	1	1	1	L	1	1	31	0.55
	1	1	1	- 1	1	1	1	L	1	1	1	1			1	1	L		- 1	1	L	1 .	1	32	0.57
В	4	1	1	1	1			1	1	1	1	1	1	1		1	1	J	1	1	1	1	1	40	0.83
	5	1	1		1	1	1	1	1	1	1	1	1	1	1	i	1	4	1	1	- 1	1	à	44	0.92
c	6	1	2	1	1		1	1	1	1	1	1.	1	1	1	1	1	1	1	1		1	1	41	0.85
	2	1	1	1	1	1	1		1	1	1	1	1	1	1	1	ı	1	1	1	1	1	lt.	43	0.90
	Ĺ	1	1	1	1		1	1	1	1	1	1	1 .	1	1	1	1	1	1	1	1	1	3	41	0.85
	7	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	4:	1	1	1	1	1	46	0.96
8	10	1		L	I		1	1	1	1	1		1	1	1	1		1	1	.1	1	1	1.	38	0.79
	11	1	1	J.	1	1	i	1	1		1	1		1	. 1		11	1	ı	1	1	1	1	39	D 81
	12	1	1	I.	1	1	1		1		1	1.	1.5	i	1	1	1	1	1	. 1	1	1	1	44	0.92
	13	1	. 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	43	0.90
	14	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1,	1	1	1	1	1	37	0.77
	15	3	I.	1	1	1	1	1	1	1	L	. 1	2	1	3	1		1		1	1	1	1	42	D. 8-8
D	16			1		1	1	1	1		L	1	1	1	1	1 .	1	1	1	1	1	1	1	37	0.77
	17		1	1	_L_		1	1	1	1	- 1	1	1	1		. 1	1	- 0	1	1	1	1	Ĺ	30	0.61
	18	1			1	1	1	1		1	1	1	1	1	1	1	1	1	1	.1.	1	. 1	1	40	0.83
	19			1	1	1	1	1	1	1	1	1	1	1		1	2	- 1	1	1	1	1	1	40	0.83
	10	1	1	1	1	1	1	1.	1	1	1	1	1	1	1	1	1	1		1	4	1	1	38	0.79
	21	1	1		- 1	2	1	1	1	1	3	1	1	1.	1	1	ı	1	1	1	1	1	1_	39	0.81
	22	1	1		1		1	1		.1	1	2	1	1	1	. 1		1	1	1	1	1	L	41	0.85
	2.5	1		1	1	1	1	1	1	1	1	1	1	1	1	1			1	1	A.	. 1	L	41	0.85
G	24	1	1	2	1	4	1	1	1	1	1	1	11		1	1			1	1	- A	1	. 1	40	0.83
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	27	1	1	1	1	1	1	1			1	1.	1	1	1	1.	2	1		1 .	1	1		35	0.73
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	52	L	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	i	1	1	45	
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	34	1	1	1	1	1	1	1	1_	. 1	1	í	1	1	1	1	1	1	1	1	1	L	- 1	44	0.92
	15	1	1	1	1	1	1	L	ı	1	1	1	1	1	1	1	1	1	7	ī	1	1	1	43	0.90
	35	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1		1	, 1	1		42	0.88
	37	1	1	1	1	1		1	1		1	1 .	1	1	1	1	- 1	1	1	1	1	1		41	0.85
	38	1	. 1	1	1	1	1	1	1	1	- X	1	1	. 1	1	1	1	1	1	1	1	1		- 63	0.90
	39	1	1	1	- 1	1	1	1	1	1	1	1	1	1.	1	1	1	1	1 .	1	1	1	1	48	1.00
	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ι	1	1	1	1	1	- 2	47	0.98

Aress	Space No.	7:00 AM	7:15 AM	7:30 AM	7:45 AM	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM	9:45 AM	10:00 AM	20:35 AM	10:30 AM	20:45 AM	11:00 AM	11:35 AM	11:30 AM	11:45 AM	12:00 PM	11:15 PM	12:30 PM	12:45 PM	1:00 PM	1:35 PM
	41			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
	42	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	43	1	1	1	. 1		1	1		1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
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	52	1	1	1	1	1		1	1		1	1	1	3	1	1	1		1			1	1	1	1	3	1
	52						1	1		1			1	1	1		. 1	1	1	1	1	1	1	1	1	1	L
	54			1	1	1	1	1	1	1		1	1	1	1	1	1	1		1	1	1	1	1	1	1	1
	55					1					1		1	1	1	1	1	1	1	1	1	1	_1_	. 1	1	1	1
	56						1	1	1		1	. 1	1	1	_1_	11	1	. 1	. 1	1		. 1	1	1	1	1	1
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	59						1	1	_1_	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	. 1	1	1
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Total	61			1		1	1	1	'		1		1	1	1	1	1	1	1				<u> </u>		. 1	2	<b></b>
Occupied		18	20	30	31	35	35	42	43	41	49	44	49	55	52	52	49	51	50	45	45	30	53	51	50	48	50
Total Available	61	43	41	31	30	16	23	19	19	20	12	17	12	5	9	9	13	10	11	16	15	11	10	10	11	15	11
Occupancy Sate	-																				i			•			
na ce		30%	33%	49%	51%	57%	52%	69%	69%	67%	80%	71%	80%	90%	85%	85%	8D%	84%	52%	74%	75%	82%	84%	84%	82%	79%	82%

Arm	Space No.	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM	3:15 PM	3:30 PM	2:45 PM	4:00 PM	4:15 PM	4:30 PM	4:45 PM	5:00 PM	5:15 PM	5:30 PM	5:45 PM	6:00 PM	6:15 PM	6:30 PM	6:45 PM	Total	KOccupied
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	42	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	46	0.96
	43	1	1	1	1	1	1	1	2	1	,	1	1	1	1	1	1		1	_1_	_1_	. 1	1	46	0.96
J	44				1		1	1	. 1	1		1_1	1	1	1	1	1	1	1	1		- 1	2	34	0.71
	45	1			1	1					1		1					1	1	1	1	1	1	22	0.44
	46	1												1							1	1		6	0.23
	47													1				1	1	1	1	2	1	9	0.19
	48										1	1	1	1		1					1		1		0.15
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	53	1	1	1	1	1		2	1	1	1	1	1	1	1		1	1	2	1	1	1	1	37	0.77
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	56	1	1	,	1	1	1	1	1	2	1	1		1		1	,		1	_1_	1	_1_	_1	38	0.79
	57	1	1		1_		_1_	2	1		_1_	1	_ 1	1	1	1	1	1	1	1	2	1	1	40	0.83
	58	1	1	3	1		1	1	_1	1	1		_1_	1	1	2	1	1	1	1	2	1	1	41	0.85
	59	1	2	1	1	1	1	1	1	2	2	1		1	1	1	1	1	1	1		1	1	. 42	0.48
	50	1		1		1	1	1	1		1	2	1	1	1	1	1	2	1	1	1	1	2	40	0.83
Total	51				1			1	1	1		_;	1	1	1	1	1 .		1	1	2	1	2	11	0.65
Occupied		51	43	46	53	47	49	53	48	50	55	55	49	56	50	54	48	51	S4	Sa	SB	57	52	2,274	0.78
Total Available	61	10	12	15	,	14	12	ţa	13	11	6	6	12	5	11	,	13	10	,	3	3	4	٠, ۱	,	
Occupancy Rate		84%	70%	75%	87%	77%	80%	84%	79%	82%	90%	90%	80%	92%	82%	89%	19%	84%	89%	95%	95%	93%	25%		

Location Survey Date Survey Pariod Total Car Spaces West Ryde Saturday 23rd July 2016 Quarterly from 7:00am > 7:00pm 61

						West	Ryde Ca	ar Parkii	ng Occu	pancy \$	urvey																
Ares	Space No.	7:00 AM	7:15 AM	7:30 AM	7:45 AM	5:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:38 AM	9:45 AM	10:00 AM	18:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PM	1:00 PM	1:15 PM
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	5	1	1	1		1	2	1	1	1	1	1	1	1	3	1	1		2	1	1		1	1	1	1	1 1
С	6	3	1	3	1	11	_ 2	.1	. 1		1	1	2	2	1	2	1	ı	1	,	1	ı	1	1	1	1	1 1
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	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
F	18						1	3	1	1		1	1	1	1	1	1	1	2	3	1	1	1	3 '	1	1	1
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	12	1	1	2	1	2						1	1	1	1	1	1	1	2	1	1			1	1	1	1
	10				2	3			1	1	ı	1	1	1	ı		1	1		1	1	1		1	1	1	1
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	23	1	1	1	1	1	1	1	3		1		1		3	1	ı	1	1	1	1	1	1	1	1	1	1
6	24	1	1	1	1		1		,		1	1	1	1	2	1	1		,	1	1	2	1	2	1	1	1
E	25	1	1	1	1	1	1	1	1	2					1			1	1	1		3		3	1	1	1
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	30	1	1	1	1		1	1	1	1	. 1	_ 1	1	1	3	1	1	1	1	3	1	3	1	1	1	1	1
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	32									1	1	1	1	1	i	1	1	i									
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	35						1		<u>1</u>		_1_	_1_	. 1	t	3	1	1	1	1	2	1	1	,á	1	1	1	1
	36	3	- 3	1				1				1		1	1	1	1	1			1	1	1	1	1	1	1
	37		1			1	1	1	1				1	1	1	1	1	1	1	1	1		1	1	1	1	1
	38			1			1	,	1	1	1	1	1		1	1	1	1	1	1	1	1	1		1	1	1
	39		1		,	1	1		1		1		1	i	ż	1	1	2	1	1	1	1	1	ż	1	1	1
	40		1				1	3	_1_	1_	_1_	1	1	1	1	1	1	1	1	1	1	1	3	1		1	1
	41		1		1						1	1	1	1	1	1	1	1	1	ı	1	3	. 1	1	1	1	1

Survey Date Survey Period Fotal Car Spaces

Areas	Space No.	1:30 PM	1:45 PM	2:00 PM	1 2:35 PM	2:30 PM	2:45 PM	2:00 PM	3:15 PM	3:30 PM	3:45 PM	4:00 PM	4:15 PM	4:30PM	4:45 PM	\$:00 PM	5:15 PM	5:30 PM	5:45 PM	6:00 PM	6:15 PM	6:30 PM	6:45 PM	Total	<b>MOccupied</b>
Α	2	2	1	1	1	2	,	)	1	1	3	1	2	1	1	1		2	1	1	1	1	1	40	0.63
	2	1	1	1	1	2	1	,	1	1	,	,	2	1	1	- ;	3	2	2	ı	3	2	2	37	0.77
	3	1	1	1	1	1	:	1	1	1	1	1	2	1		1	1	2	1	1	1	3	2	44	0.92
В	4	1	1	i	_1_	1	_;_	1	1			_1_			. 1	2	2	1	. 1	_1	2	1	2	35	0.73
	5	3	1	1		1	2	2	1	1	1	1	. 1	1	1	1	1	1	1	1	1	1	1	44	0.92
С	4		1	1	1	1	1	1	1	1	±		1	ı	1		1	,	1	3	1	_ 2	_1_	45	0.94
	7	1	1	1	1	1	1	1	1	1	,	1	1	1	1_	1_1_	1	1	1	ż	1	1	1_1_	43	0.90
	8	1	1	1	1	1	. 1		1	1	1	1	1	1	1			1 1	1	1	ı	1	1	39	0.81
	9	1	2	1	2	1	1	1	1	1	2	1	1	1	1	1		1	1	1	3	1	1	45	0.96
F	10	1	2	1	1	1		1	1		1	1	1	1	1		1	1	1	1	1	1	1	39	0.61
	11	1	_ 2	1	1	1	1	1	1	2	1	1	1	,	1			1	2	2	1	2	1	42	0.88
	12	1	. 1	3	1	1			1	2	1	1	1	1	1	1	1	1	3	2	1	1	1	39	0.81
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	14	1	1	1	1	1	1	1	1	1	1	11		. 1	3	1	1	1	1	1	1	1	1	41	0.85
	15	1	1	1		1	1	1	1	1	1	1	1	1		1_1_	1		1	3	1_1_	1		39	0.81
	16	1	1 1	1 2	1	1		1	2	1	1	1	1	1	1	1	1		1	1	1	1	J	43	0.50
	17	1	1	1	1	1	1		1	1	1	1	1	1	1			1	1	1	1	1	1	37	0.33
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	19	2	1	2	1	2		1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	41	0.85
	20		_1_							_1_	1	1	,2	1	1	1	1	1	2	1	1	1	2	45	0.94
	21	_1_		1	1	1	11	1	11	11_	1	1	1		1	2	2	2	1	1	2	3	2	40	0.83
	22	1	1	1	1		1	1	1	1		1	,	_2_	_1_	11	1	2	1	111	_1_		2	40	0.83
	23	1	1	1	1	1	1		1	L	1	1	1	1	J	1	1	1	1	.1	1	1	3	45 {	0.94
6	24	1	1	1	1	1		1	1	1	1	1	1	1	1		ı	1	1	1	ı	1		43	0.90
E	25	1	1	1																	1			22	0.46
	26		1	1	3	1	1	1	1	1	2	2	1	1	1	1		1	1	1	1	1		33	0.69
	27	1	2	1	2	1		1	1	2	3	1	1	1	1	1	1	1	1	1	1	2	1	41	0.85
	25	1			2	1	1	1	1	1	2	1	1	1	1	ı	1	1	1	2	1	2	1	40	0.83
	29			1		1	1		1	_1_	_:_	_1_	1	1	2			1	1	2	1	1	1	45	0.94
	30	1	1	_1_	1	1	_1	1	_1_	1		. 1	1	1	2	1			1	2	1	1	. 1	44	0.92
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	37	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	41	0.65
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	42	1	1	1	1	2	1	1	1 [	1	1	1	1	_1_	1		±	1	1	1	<u> </u>	1	1	42	0.85

Areas	Space No.	7:00 AM	7:15 AM	7:30 AM	7:45 AM	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:25 AM	9:30 AM	9:45 AM	20:00 AM	20:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	22:30 PM	12:45 PM	1:00 PM	1:15 PM
	42					1		3	. 1	1	1_	_1_	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1
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	45							1										1	1						1	1	1
	47			1	1	1												1	1						2	1	1
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	53					1	1	1	1		1	1	1	1	1	1	3	3	1.	1	3	1 2	3			لينا	1
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	55	1	1	1	1	3	1	1	1	1	1	1	1	1	1					1	1	1	1	1	1	1	1
	55	1		1		2	1	1	1	3	3	1	1	1		_ 1	_1	. 1	1	1		1	1	1	3	1	1
	57	1			_1_	1	1		_1_		1_	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
	58	1					1	1	1		1	1	1	1	1		3	3	1	1	3	1	1	1_	3_		1
	59			,	1	2	1	1	1		1	1	1	1	1		3	3	1	1		1	1	1	1_2	1	1
	60	1	1	1						1	3	1	1		1	. 1	1	1	1	1	1	1 1	1	1	_	1	1
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Occupied		29	31	32	32	35	40	35	46	34	37	47	50	51	52	49	50	51	51	52	49	48	47	SS	55	56	55
fotal Available	61	32	30	29	29	26	23	26	15	<sub>27</sub>	24	14	1)	10	,	12	11	10	10	9	12	13	14	6	6		6
Occupancy Rate		48%	52%	52%	52%	57%	66%	57%	75%	56%	61%	77K	82%	84%	R5%	80%	12%	84%	34%	85%	80%	7914	77%	90%	90%	91%	90%

Areas	Space No.	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM	3:15 PM	3:30 PM	3:45 PM	4:00 PM	4:15 PM	4:30 PM	4:45 PM	5:00 PM	5:15 PM	5:30 PM	5:45 PM	6:00PM	6:15 PM	6:30 PM	6:45 PM	Total	%Occupied
	42	1	_1	1	. 1	. 1.	_ 7	1	1_		1	1	1	1	1	1	1	1	1	_1_	1	1	1	42	0.88
	43	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		ı		1	1	44	0.92
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	45				1	1		2	1	1	1	1	2	1	1	1	1 1	1			1	1	2	19	0.40
	46	1	1										1	1	,	1	1	1	1	1	į ı	1	1	19	0.40
	47	1	1	1	1		1	1			1													15	0.31
	48	1	1	1	1	1	1	1	1	1		1	_1_	1	1	1_1_	_1	1	. 1	1 .	1	3	- 1	45	0.95
	49				1	,						2		1		1	1	7	1	1	1, .	.1	. 1	23	0.27
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	52	1	11			1_1_			1	1	1	1	1	,		1	1	1	1	1	1	1	1	40	0.83
	52	2	1		1	1	1	1	1	1	1	2	2	1	1	1		2		1	1	2	1	44	0.92
	53	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	,	1	1	1	43	0.90
	54	2	1	1	3	1 .	1	1	1		1	2	1	1		1		1	1	1	1	2	1	40	0.83
	55	ŗ	1	1	1	1	1	1	1	1	1	1	1		1	3	1	1	1	1	1	1	1	45	0.96
	56	1	1	1	1	1	1	1			2	1	1	1	1	3	7	1	1	1	2	3	1	43	0.90
	57	1	1	1	1	1	1		. 1	1	1	1	1	1	1	1	_1_		1	1	1		ı	45	0.94
	58	. 1	1	1	3	1	1	1	3	1	1	1	_1_		11	1	_1	1	1	1_	_1_	1	1_1	41	0.85
	59	1	3	1	1	1	1	3		1	1	1	1	1	3	3	1	1	1	3	1	1	1	41	0.90
,	60	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	41	0.85
	61	1	1	1	,	1	1	1	1	1	1	1	. 1	1	1		1	1	1	1	1	1	. 1	38	0.79
Total Occupied		55	55	56	55	56	48	51	54	52	51	56	53	51	52	48	43	54	55	56	59	55	56	2,347	0.80
Total Available	61	6	5	5	5	5	13	2D	,	9		5		10	9	13	14	7	6	5	,		s		
Occupancy Rate		90%	92%	92%	90%	92%	79%	84%	89%	85%	87%	92%	87%	84%	85%	79%	77%	89%	90%	91%	97%	90%	92%		



**ATTACHMENT B** 

PARKING STUDY QUESTIONNAIRE RESULTS

- S: Suite 26, 58 Riverwalk Avenue Robina QLD 4226
- M: PO Box 5102 Q Super Centre Mermaid Waters QLD 4218
- P: (07) 5562 5377
- F: (07) 5562 5733 W: www.bitziosconsulting.com.au

#### Brisbane Office

- S: Level 2, 428 Upper Edward Street Spring Hill QLD 4000
- M: Level 2, 428 Upper Edward Street Spring Hill QLD 4000
- P: (07) 3831 4442
- F: (07) 3831 4455
- E: admin@bitziosconsulting.com.au

#### Sydney Office

- S Studio 203, 3 Gladstone Street Newtown NSW 2042
- M: Studio 203, 3 Gladstone Street Newtown NSW 2042
- P: (02) 9557 6202
- F: (02) 9557 6219

11 August 2016

### TO WHOM IT MAY CONCERN

### RE: WEST RYDE TOWN CENTRE PARKING STUDY

We have been engaged by City of Ryde Council to undertake an independent assessment of existing parking spaces around West Ryde Town Centre and recommend potential improvements. As part of the study, we would appreciate your valuable input to address the below queries:

### **Business Type:**

Location: Anthony Rd

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: Not at all. Also, there was a dedicated spot for Ambulance, but not anymore

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: 1P not enough, most people are elderly so it's not convenient for them.

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 2P at least, one more space for disabled

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 25 - 3hours

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

Postal Address: Studio 203, 3 Gladstone Street, Newtown NSW 2042

Any other queries, please do not hesitate to reach me via e-mail.

Yours faithfully,

ShaunPaul Power Senior Traffic Consultant Bitzios Consulting

S: Suite 26, 58 Riverwalk Avenue Robina QLD 4226

M: PO Box 5102 Q Super Centre Mermaid Waters QLD 4218

P: (07) 5562 5377

F: (07) 5562 5733 W: www.bitziosconsulting.com.au Brisbane Office

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Sydney Office

S Studio 203, 3 Gladstone Street Newtown NSW 2042

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P: (02) 9557 6202

F: (02) 9557 6219

11 August 2016

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### RE: WEST RYDE TOWN CENTRE PARKING STUDY

We have been engaged by City of Ryde Council to undertake an independent assessment of existing parking spaces around West Ryde Town Centre and recommend potential improvements. As part of the study, we would appreciate your valuable input to address the below queries:

### **Business Type:**

Location: Anthony Rd

1. Do your customers walk/drive?

Ans: Mostly Walk

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: Sufficient for customers.

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: Yes

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: Free and unrestricted parking for business owner/staff.

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 40 minutes

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

Postal Address: Studio 203, 3 Gladstone Street, Newtown NSW 2042

Any other queries, please do not hesitate to reach me via e-mail.

Yours faithfully,

ShaunPaul Power Senior Traffic Consultant

**BITZIOS CONSULTING** 

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11 August 2016

## TO WHOM IT MAY CONCERN

### RE: WEST RYDE TOWN CENTRE PARKING STUDY

We have been engaged by City of Ryde Council to undertake an independent assessment of existing parking spaces around West Ryde Town Centre and recommend potential improvements. As part of the study, we would appreciate your valuable input to address the below queries:

### **Business Type:**

Location: Corner of Anthony Lane & Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: Not Enough

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 15min

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 10-15 minutes

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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### **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Park at Coles/Woolworths, and walk to the gym.

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: Sufficient, no issue.

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans:

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans:

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans:

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## **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Walk Mostly

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 45 minutes

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### **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No, need more spaces; one dedicated for owner/employee

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 2P

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 1 hour

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### **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: 50-50

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P, diagonal parking would be better for increasing parking bays.

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 45 minutes

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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## **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Walk Mostly

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: Not required

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: Ok. Could be less

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 15 minutes

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: Short term, 10 minutes

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### **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No. Also, 2 unrestricted spots required for staff/employees.

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P, 1 disable parking (1/2P)

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 20-40 minutes

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### **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No; need more spaces

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: Yes

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 2F

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: more than an hour

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11 August 2016

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### **Business Type:**

Location: Graf Ave (rear side, frontage at Victoria Rd)

1. Do your customers walk/drive?

Ans: Mostly Walk

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: half hour

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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Business Type:

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No; Also 1 disabled parking required next to shop.

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P; Unrestricted parking for 2-3 staff

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: about an hour

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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## **Business Type:**

Location: Graf Ave

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No, need more spaces, including 1 staff parking

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: Yes

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1/2P is ok

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: half hour

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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We have been engaged by City of Ryde Council to undertake an independent assessment of existing parking spaces around West Ryde Town Centre and recommend potential improvements. As part of the study, we would appreciate your valuable input to address the below queries:

### **Business Type:**

Location: Corner of Graf Ave and Chatham Rd

Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: Yes

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1/2P, Unrestricted spaces for staff.

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 15-20 minutes

\*Should put concrete barrier on Chatham Rd No right turn to Graf Ave (50-80 cars per day do) Blocking Chatham Rd. \*At Woolworth carpark, gate takes long time to open, and so Market St gets blocked.

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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## **Business Type:**

Location: Chatham Rd

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 1 hour

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## **Business Type:**

Location: Chatham Rd

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No problem

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No problem (change the signs)

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1/2P is OK.

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 15 minutes

### \*Should be 3P free in the Coles and Woolworths parking

One of our staff will distribute and collect onsite responses on 04/08/2016. You can also send your feedback to us by post within 7 (seven days) from receiving this questionnaire:

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Any other queries, please do not hesitate to reach me via e-mail.

Yours faithfully.

ShaunPaul Power Senior Traffic Consultant **BITZIOS CONSULTING** 

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11 August 2016

## TO WHOM IT MAY CONCERN

### RE: WEST RYDE TOWN CENTRE PARKING STUDY

We have been engaged by City of Ryde Council to undertake an independent assessment of existing parking spaces around West Ryde Town Centre and recommend potential improvements. As part of the study, we would appreciate your valuable input to address the below queries:

## **Business Type:**

Location: Chatham Rd

1. Do your customers walk/drive?

Ans: Drive

2. Is the number of parking spaces in proximity to your business sufficient?

Ans: No

3. Are current restrictions (1/2P, 1P, 2P etc.) sufficient for your customers?

Ans: No

4. What would you like the parking restrictions to be (1/2P, 1P, 2P etc.)?

Ans: 1P, more unrestricted parking for staff, Council should provide all day parking permit (in the Coles parking) for 1-2 staff.

5. Are your customers that use the parking typically short term or long term users? How long do they spend in your premises?

Ans: 2 hours +

\*Dickson Ave near Chatham Rd-Market St roundabout- 1/4P should be changed to 1/2P

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